BCR INDEX

Index of Contents—1993

Application Programming Interfaces
[*also see "PBX Applications and Architectures Expand,"* a supplement to the May issue of *BCR, and "The Power of Integration: Innovation in Communications,"* a supplement to the October issue of *BCR*]
New Options Emerge for CTI, Oct, pp. 25–28
Bringing Wireless Data Communications into the Mainstream, Nov, pp. 39–43
Defining the PC's New Role in Voice Messaging, Dec, pp. 62–65

Asynchronous Transfer Mode
[*see* **Networks, Broadband** *and* **Packet Switching;** *also see "ATM: Views of the New Frontier,"* a supplement to the February issue of *BCR*]

Automatic Call Distributors
Working with IBM's CallPath Services Architecture, Mar, pp. 60–63
Planning 800 Disaster Rerouting in Distributed Call Centers, June, pp. 74–77
Aspect Opens Access to ACD Data, Oct, p. 56
Distributed Call Management Centers, Dec, pp. 14–19
Why Call Centers Operate as They Do, Dec, pp. 20–25

Bridges
[*see* **LAN/WAN Connectivity**]

Cable Television
[*also see* **Video/Videoconferencing**]
The Curtain Rises on Clinton's FCC, Mar, pp. 16–19
Local Competition: The War of All Against All, Mar, pp. 35–40
The Vision Thing, May, p. 6
Border-to-Border Fiber Optics, June, pp. 55–59
LECs Gird Themselves for Competition, June, pp. 80–84
Changing Ground Rules in the Local Exchange, July, p. 4
HDSL and ADSL: Steroids for the Local Loop, Oct, p. 8
Can Bell Atlantic and TCI Pull It Off? Nov, pp. 8–10
Pacific Bell Plans Information Highway for California, Dec, p. 8
Do All Roads Lead to the Information Superhighway? Dec, pp. 10–11

Cabling/Wiring
Data Station Wiring: Myths and Realities, Jan, pp. 38–42
Data Station Wiring, Jan, p. 39
How the Postal Service Wiring Standards Evolved, Dec, pp. 31–36

Call Centers
Aspect Opens Access to ACD Data, Oct, p. 56
Distributed Call Management Centers, Dec, pp. 14–19
Why Call Centers Operate as They Do, Dec, pp. 20–25

Call Processing
[*see* **Switch-to-Computer Links** *and* **Voice Processing**]

Carriers, Interexchange
Are You a Candidate for Frame Relay? Jan, pp. 27–31
To Tariff or Not to Tariff—That's No Longer the Question, Jan, pp. 60–61
Network Services Pricing Update, Feb, pp. 16–23
Local Competition: The War of All Against All, Mar, pp. 35–40
Carriers Improve Hybrid Network Management, Mar, pp. 43–45
The 800 Service Patent Dispute between MCI and AT&T, Mar, pp. 46–49
Technology's Fun, But Negotiation Is the Name of the Game, Mar, pp. 66–68
800 Portability: A Work in Progress, Apr, p. 6
Frame Relay's Day Will Dawn, Apr, pp. 28–32
The FCC's Hard Line on International Resale, Apr, pp. 54–57
Cutting through the 800-Number Portability Hype, Apr, pp. 82–84
They've Got Your Number, May, pp. 48–52
Global Network Services Move beyond One-Stop Shopping, May, pp. 80–87
Carrier Offerings for Videoconferencing, June, pp. 32–36
ISDN: A View from the Trenches, June, pp. 39–42
Can the Carriers Deliver on SONET's Full Potential? June, pp. 44–48
SMDS Service One Year after Kickoff, June, pp. 51–54
Border-to-Border Fiber Optics, June, pp. 55–59
Message from Singapore: Global Competition Is Coming, July, pp. 66–68
Frame Relay Service Pricing: Contrasting the Competitors, Aug, pp. 32–37
Carrier Tariffs—Literally, Aug, pp. 60–62
"Let's Make a Deal": Customer-Specific Service Agreements, Sep, pp. 47–50
The Legal Status of Negotiated Arrangements, Sep, p. 48
AT&T True Voice—True Love? Sep, p. 74
Strange Goings-on in Long Distance, Sep, pp. 90–92
Ending the RBOC Long Distance Quarantine, Oct, pp. 51–54
Number Portability—What Happened? Oct, pp. 58–61
Building Global Videoconferencing Networks, Nov, pp. 33–37
Do All Roads Lead to the Information Superhighway? Dec, pp. 10–11
Distributed Call Management Centers, Dec, pp. 14–19
Melting the Ice Curtain between Russia and Alaska, Dec, pp. 26–29
Have Fax and the Internet Made VANs Irrelevant? Dec, pp. 37–41
It's Time to End "Tariff Abuse," Dec, pp. 46–48
Are There CO-Based Options for ATM? Dec, pp. 74–76

Carriers, Local Exchange
A Reality Check on ATM, Jan, pp. 55–59
To Tariff or Not to Tariff—That's No Longer the Question, Jan, pp. 60–61
Local Loop Competition: As Difficult as It Is Inevitable, Jan, pp. 86–88
The Curtain Rises on Clinton's FCC, Mar, pp. 16–19
Local Competition: The War of All Against All, Mar, pp. 35–40
The Missing Link in ATM, Apr, pp. 10–12
Frame Relay's Day Will Dawn, Apr, pp. 28–32
The Vision Thing, May, p. 6
They've Got Your Number, May, pp. 48–52
Ingredients for Successful Negotiations, May, pp. 90–92
Partnering for Network Performance, June, pp. 18–20
ISDN: A View from the Trenches, June, pp. 39–42
Can the Carriers Deliver on SONET's Full Potential? June, pp. 44–48
SMDS Service One Year after Kickoff, June, pp. 51–54
Border-to-Border Fiber Optics, June, pp. 55–59
Federal Approaches to Improving Network Reliability, June, pp. 60–63
LECs Gird Themselves for Competition, June, pp. 80–84
Changing Ground Rules in the Local Exchange, July, p. 4
CPE Regulations That Could Catch You Off Guard, July, pp. 56–58
SONET: Access to the World, July, pp. 62–63
Local Competition—Lessons from "Down Under," Aug, pp. 82–84
It's Time (Already) to Rewrite the Access Rules, Sep, pp. 58–64
HDSL and ADSL: Steroids for the Local Loop, Oct, p. 8
Ending the RBOC Long Distance Quarantine, Oct, pp. 51–54
RBOC Investments vs. the Needs of Business Customers, Nov, p. 4
Can Bell Atlantic and TCI Pull It Off? Nov, pp. 8–10
The Last Hope for ISDN—Just Do It, Nov, pp. 62–64
Pacific Bell Plans Information Highway for California, Dec, p. 8
Do All Roads Lead to the Information Superhighway? Dec, pp. 10–11
Melting the Ice Curtain between Russia and Alaska, Dec, pp. 26–29
Are There CO-Based Options for ATM? Dec, pp. 74–76

Case Studies
Partnering for Network Performance, June, pp. 18–20
EPRINet—How Innovation Can Take Place, Aug, p. 8
Striking the Token-Ring Balance, Sep, pp. 35–39
Frame Relay—Setting the Record Straight, Oct, pp. 43–48
How the Postal Service Wiring Standards Evolved, Dec, pp. 31–36

Cellular
[*see* **Wireless Equipment and Services**]

Central Office Equipment
[*see* **Carriers, Interexcahnge; Carriers, Local Exchange; Networks. Broadband** *and* **Switching Equipment**]

BCR INDEX

Index of Contents—1993

Application Programming Interfaces
[*also see "PBX Applications and Architectures Expand,"* a supplement to the May issue of *BCR, and "The Power of Integration: Innovation in Communications,"* a supplement to the October issue of *BCR*]
New Options Emerge for CTI, Oct, pp. 25–28
Bringing Wireless Data Communications into the Mainstream, Nov, pp. 39–43
Defining the PC's New Role in Voice Messaging, Dec, pp. 62–65

Asynchronous Transfer Mode
[*see* **Networks, Broadband** *and* **Packet Switching;** *also see "ATM: Views of the New Frontier,"* a supplement to the February issue of *BCR*]

Automatic Call Distributors
Working with IBM's CallPath Services Architecture, Mar, pp. 60–63
Planning 800 Disaster Rerouting in Distributed Call Centers, June, pp. 74–77
Aspect Opens Access to ACD Data, Oct, p. 56
Distributed Call Management Centers, Dec, pp. 14–19
Why Call Centers Operate as They Do, Dec, pp. 20–25

Bridges
[*see* **LAN/WAN Connectivity**]

Cable Television
[*also see* **Video/Videoconferencing**]
The Curtain Rises on Clinton's FCC, Mar, pp. 16–19
Local Competition: The War of All Against All, Mar, pp. 35–40
The Vision Thing, May, p. 6
Border-to-Border Fiber Optics, June, pp. 55–59
LECs Gird Themselves for Competition, June, pp. 80–84
Changing Ground Rules in the Local Exchange, July, p. 4
HDSL and ADSL: Steroids for the Local Loop, Oct, p. 8
Can Bell Atlantic and TCI Pull It Off? Nov, pp. 8–10
Pacific Bell Plans Information Highway for California, Dec, p. 8
Do All Roads Lead to the Information Superhighway? Dec, pp. 10–11

Cabling/Wiring
Data Station Wiring: Myths and Realities, Jan, pp. 38–42
Data Station Wiring, Jan, p. 39
How the Postal Service Wiring Standards Evolved, Dec, pp. 31–36

Call Centers
Aspect Opens Access to ACD Data, Oct, p. 56
Distributed Call Management Centers, Dec, pp. 14–19
Why Call Centers Operate as They Do, Dec, pp. 20–25

Call Processing
[*see* **Switch-to-Computer Links** *and* **Voice Processing**]

Carriers, Interexchange
Are You a Candidate for Frame Relay? Jan, pp. 27–31
To Tariff or Not to Tariff—That's No Longer the Question, Jan, pp. 60–61
Network Services Pricing Update, Feb, pp. 16–23
Local Competition: The War of All Against All, Mar, pp. 35–40
Carriers Improve Hybrid Network Management, Mar, pp. 43–45
The 800 Service Patent Dispute between MCI and AT&T, Mar, pp. 46–49
Technology's Fun, But Negotiation Is the Name of the Game, Mar, pp. 66–68
800 Portability: A Work in Progress, Apr, p. 6
Frame Relay's Day Will Dawn, Apr, pp. 28–32
The FCC's Hard Line on International Resale, Apr, pp. 54–57
Cutting through the 800-Number Portability Hype, Apr, pp. 82–84
They've Got Your Number, May, pp. 48–52
Global Network Services Move beyond One-Stop Shopping, May, pp. 80–87
Carrier Offerings for Videoconferencing, June, pp. 32–36
ISDN: A View from the Trenches, June, pp. 39–42
Can the Carriers Deliver on SONET's Full Potential? June, pp. 44–48
SMDS Service One Year after Kickoff, June, pp. 51–54
Border-to-Border Fiber Optics, June, pp. 55–59
Message from Singapore: Global Competition Is Coming, July, pp. 66–68
Frame Relay Service Pricing: Contrasting the Competitors, Aug, pp. 32–37
Carrier Tariffs—Literally, Aug, pp. 60–62
"Let's Make a Deal": Customer-Specific Service Agreements, Sep, pp. 47–50
The Legal Status of Negotiated Arrangements, Sep, p. 48
AT&T True Voice—True Love? Sep, p. 74
Strange Goings-on in Long Distance, Sep, pp. 90–92
Ending the RBOC Long Distance Quarantine, Oct, pp. 51–54
Number Portability—What Happened? Oct, pp. 58–61
Building Global Videoconferencing Networks, Nov, pp. 33–37
Do All Roads Lead to the Information Superhighway? Dec, pp. 10–11
Distributed Call Management Centers, Dec, pp. 14–19
Melting the Ice Curtain between Russia and Alaska, Dec, pp. 26–29
Have Fax and the Internet Made VANs Irrelevant? Dec, pp. 37–41
It's Time to End "Tariff Abuse," Dec, pp. 46–48
Are There CO-Based Options for ATM? Dec, pp. 74–76

Carriers, Local Exchange
A Reality Check on ATM, Jan, pp. 55–59
To Tariff or Not to Tariff—That's No Longer the Question, Jan, pp. 60–61
Local Loop Competition: As Difficult as It Is Inevitable, Jan, pp. 86–88
The Curtain Rises on Clinton's FCC, Mar, pp. 16–19
Local Competition: The War of All Against All, Mar, pp. 35–40
The Missing Link in ATM, Apr, pp. 10–12
Frame Relay's Day Will Dawn, Apr, pp. 28–32
The Vision Thing, May, p. 6
They've Got Your Number, May, pp. 48–52
Ingredients for Successful Negotiations, May, pp. 90–92
Partnering for Network Performance, June, pp. 18–20
ISDN: A View from the Trenches, June, pp. 39–42
Can the Carriers Deliver on SONET's Full Potential? June, pp. 44–48
SMDS Service One Year after Kickoff, June, pp. 51–54
Border-to-Border Fiber Optics, June, pp. 55–59
Federal Approaches to Improving Network Reliability, June, pp. 60–63
LECs Gird Themselves for Competition, June, pp. 80–84
Changing Ground Rules in the Local Exchange, July, p. 4
CPE Regulations That Could Catch You Off Guard, July, pp. 56–58
SONET: Access to the World, July, pp. 62–63
Local Competition—Lessons from "Down Under," Aug, pp. 82–84
It's Time (Already) to Rewrite the Access Rules, Sep, pp. 58–64
HDSL and ADSL: Steroids for the Local Loop, Oct, p. 8
Ending the RBOC Long Distance Quarantine, Oct, pp. 51–54
RBOC Investments vs. the Needs of Business Customers, Nov, p. 4
Can Bell Atlantic and TCI Pull It Off? Nov, pp. 8–10
The Last Hope for ISDN—Just Do It, Nov, pp. 62–64
Pacific Bell Plans Information Highway for California, Dec, p. 8
Do All Roads Lead to the Information Superhighway? Dec, pp. 10–11
Melting the Ice Curtain between Russia and Alaska, Dec, pp. 26–29
Are There CO-Based Options for ATM? Dec, pp. 74–76

Case Studies
Partnering for Network Performance, June, pp. 18–20
EPRINet—How Innovation Can Take Place, Aug, p. 8
Striking the Token-Ring Balance, Sep, pp. 35–39
Frame Relay—Setting the Record Straight, Oct, pp. 43–48
How the Postal Service Wiring Standards Evolved, Dec, pp. 31–36

Cellular
[*see* **Wireless Equipment and Services**]

Central Office Equipment
[*see* **Carriers, Interexcahnge; Carriers, Local Exchange; Networks. Broadband** *and* **Switching Equipment**]

Computer Telephone Integration (CTI)
[*see* **Switch-to-Computer Links**]

Consultant's Corner/*Kuehn*
Local Loop Competition: As Difficult as It Is Inevitable, Jan, pp. 86–88
Outsourcing Is Fine, But Only for the Right Reasons, Feb, pp. 74–76
Technology's Fun, But Negotiation Is the Name of the Game, Mar, pp. 66–68
Cutting through the 800-Number Portability Hype, Apr, pp. 82–84
Ingredients for Successful Negotiations, May, pp. 90–92
LECs Gird Themselves for Competition, June, pp. 80–84
Message from Singapore: Global Competition Is Coming, July, pp. 66–68
Local Competition—Lessons from "Down Under," Aug, pp. 82–84
Strange Goings-on in Long Distance, Sep, pp. 90–92
Focusing on Practical Issues Can Product Practical Results, Oct, pp. 82–84
Downward Spiral for the Spirit of Service, Nov, pp. 82–84
Are There CO-Based Options for ATM? Dec, pp. 74–76

Disaster Planning/Recovery
Federal Approaches to Improving Network Reliability, June, pp. 60–63
Planning 800 Disaster Rerouting in Distributed Call Centers, June, pp. 74–77
Toward a Robust Network Environment, Sep, pp. 78–86

Doing Business Electronically/*McQuillan*
The Next Generation Networks Conference Survey, Jan, pp. 10–11
What ATM Forum Members Believe, Feb, pp. 12–14
The Critical Role of Routers in ATM, Mar, pp. 12–14
The Missing Link in ATM, Apr, pp. 10–12
ATM: Bottom Up or Top Down? May, pp. 10–12
ATM: All Things to All People? June, pp. 12–14
Broadband Survey Positive about ATM—Eventually, July, pp. 12–14
Can ATM Solve the Unsolvable? Aug, pp. 12–14
New LAN Architectures: Diversity Reigns Supreme, Sep, pp. 12–14
Keeping ATM's Promise of Scalability, Oct, pp. 10–12
Where Are the ATM Applications? Nov, pp. 12–14
Do All Roads Lead to the Information Superhighway? Dec, pp. 10–11

Ethernet
[*see* **Local Area Networks**]

Electronic Data Interchange (EDI)
[*also see* **Local Area Networks**]
New Specs, Broader Boundaries for EDI, Feb, pp. 40–44
Have Fax and the Internet Made VANs Irrelevant? Dec, pp. 37–41

Electronic Mail
New Specs, Broader Boundaries for EDI, Feb, pp. 40–44
E-Mail's Effects on Corporate Culture, Apr, p. 8
Electronic Mail Broadens Its Horizons, July, pp. 28–32
Messaging to the President, July, p. 32
EPRINet—How Innovation Can Take Place, Aug, p. 8
Groupware: The Next Generation, Aug, pp. 54–58
Have Fax and the Internet Made VANs Irrelevant? Dec, pp. 37–41

Facsimile (Fax)
Electronic Mail Broadens Its Horizons, July, pp. 28–32
Have Fax and the Internet Made VANs Irrelevant? Dec, pp. 37–41

Fast Packet Switching
[*see* **Packet Switching**]

FCC
[*see* **Regulatory Developments**]

FDDI
[*also see* **Networks, Broadband** *and* **Packet Switching**]
The Broadband Jigsaw Puzzle, Feb, pp. 35–39
Don't Count FDDI Out—Yet, Aug, pp. 51–53
Migration Options from 10BaseT, Sep, pp. 16–23

Fractional T1
[*see* **T1/T3**]

Frame Relay
[*see* **Networks, Broadband** *and* **Packet Switching**]

Hubs
[*see* **Local Area Networks** *and* **LAN/WAN Connectivity**]

Industry Business and Economics
The Next Generation Networks Conference Survey, Jan, pp. 10–11
Big Blue's Blues, Feb, p. 8
Why an ATM User Group Now? It Makes Sense for Users…and Vendors, Mar, p. 4
Technology's Fun, But Negotiation Is the Name of the Game, Mar, pp. 66–68
Two Separate Management Architectures Begin to Unite, May, pp. 41–45
Ingredients for Successful Negotiations, May, pp. 90–92
Of Standards, Markets and Co-opetition, July, p. 8
Did AT&T Pay Too Much for McCaw? Sep, p. 10
Ending the RBOC Long Distance Quarantine, Oct, pp. 51–54
IBM-Digital Team Changes the Network Management Platform Business, Oct, pp. 62–64
Focusing on Practical Issues Can Product Practical Results, Oct, pp. 82–84
Can Bell Atlantic and TCI Pull It Off? Nov, pp. 8–10
Pacific Bell Plans Information Highway for California, Dec, p. 8

International Issues
The FCC's Hard Line on International Resale, Apr, pp. 54–57
Wireless and Broadband Star at CeBIT, May, p. 4
Global Network Services Move beyond One-Stop Shopping, May, pp. 80–87
BT Bets on Integrated Network Management, May, p. 84
Message from Singapore: Global Competition Is Coming, July, pp. 66–68
Local Competition—Lessons from "Down Under," Aug, pp. 82–84
Building Global Videoconferencing Networks, Nov, pp. 33–37
Melting the Ice Curtain between Russia and Alaska, Dec, pp. 26–29

ISDN
Northern Telecom Meridian 1 Announcements, Feb, pp. 50–51
Extension Technology Uses ISDN to Link LANs, Mar, p. 55
Visions of a Video Future Highlight Supercomm '93, June, p. 8
Carrier Offerings for Videoconferencing, June, pp. 32–36
ISDN: A View from the Trenches, June, pp. 39–42
N.E.T.'s Platforms Evolve for ISDN and ATM, July, pp. 60–61
The Last Hope for ISDN—Just Do It, Nov, pp. 62–64
Beyond the Digital Subscriber Line: Issues at ISDN Customers' Premises, Nov, pp. 70–78
What Is National ISDN? Nov, p. 76

Key Telephone Systems
KTS/Hybrid Market: Running in Place, July, pp. 18–25
Wireless PBX Options from AT&T and Rolm, Nov, pp. 58–60

LAN/WAN Connectivity
Access Technology: A Key Market for 1993, Jan, p. 8
Jostling for a More Open APPN, Feb, pp. 24–27
Improving Bridge Performance on WAN Links, Feb, pp. 62–65
The Critical Role of Routers in ATM, Mar, pp. 12–14
ANR's LAN-to-LAN SNA-Based Router, Mar, pp. 54–55
The Business View of Fast Packet Technologies, Mar, pp. 56–57
The Missing Link in ATM, Apr, pp. 10–12
Capacity Planning: Selecting Technology for Performance, Apr, pp. 14–20
IBM's MPTF and New 6611 Model 120, Apr, pp. 58–59
Putting It Together: SNA-LAN Integration Strategies, Apr, pp. 60–65
ATM: Bottom Up or Top Down? May, pp. 10–12
Intecom's New Platform—The E, June, pp. 64–65
Evaluating Switching Hub Architectures, July, pp. 35–39
Directions for SNA Internetworking, Aug, p. 4
Eicon Tests the Openness of Novell's NLMs, Aug, p. 64

BCR INDEX

LAN/WAN Connectivity *[continued]*
Ascom Timeplex's Enterprise Router, Aug, p. 65
Integrated SNA and LAN Access from Hypercom and Motorola Codex, Sep, pp. 70–72
Integrated Access from General Datacomm, Oct, p. 56
Testing the WAN for LAN/WAN Internetworks, Oct, pp. 70–78
Options for Dial-up Remote Access, Nov, pp. 16–24
Edge Routing—The Next Routing Evolution, Nov, pp. 27–31
Differing Approaches to Virtual LANs, Dec, pp. 42–45
CCI's Eclipse 7020, Dec, p. 52

Local Area Networks
Access Technology: A Key Market for 1993, Jan, p. 8
Switching to a LAN-in-a-Box, Jan, pp. 20–24
Fore Systems' ATM Product Family, Jan, p. 62
Preventing LAN Break-ins, Jan, pp. 64–69
What ATM Forum Members Believe, Feb, pp. 12–14
Will the Real 100-Mbps Ethernet Please Stand Up, Mar, pp. 8–10
Managing Large Ethernet Installations, Mar, pp. 21–26
Video: The Promised LAN? Apr, pp. 22–27
Windows NT vs. Netware: More Bravado than Battle, Apr, pp. 35–38
ADC Fibermux ATMosphere Hub, May, pp. 66–67
Evaluating Switching Hub Architectures, July, pp. 35–39
Will Wireless LANs Realize Their Potential? Aug, pp. 18–28
Don't Count FDDI Out—Yet, Aug, pp. 51–53
New LAN Architectures: Diversity Reigns Supreme, Sep, pp. 12–14
Striking the Token-Ring Balance, Sep, pp. 35–39
Client/Server's Low Latency Requirements, Oct, pp. 18–19
New Options Emerge for CTI, Oct, pp. 25–28
Differing Approaches to Virtual LANs, Dec, pp. 42–45

Management Strategies
Capacity Planning: Selecting Technology for Performance, Apr, pp. 14–20
Forging a New Alliance between CIOs and CEOs, Aug, pp. 76–79
Arguments and Architectures for ATM, Oct, pp. 14–21

Management/Personnel
Increase IS's Role in PC Support, Jan, pp. 74–76
Tracking Management Work Processes, Feb, pp. 52–56
Outsourcing Is Fine, But Only for the Right Reasons, Feb, pp. 74–76
Through the Looking Glass: *BCR*'s 1993 Readership Survey, May, pp. 27–32
It's Time to Redefine Your Turf, July, p. 6
Forging a New Alliance between CIOs and CEOs, Aug, pp. 76–79
Taking CEOs to the Edge of the Technology Envelope, Aug, p. 78
Reinventing Communications Management, Oct, p. 4
Focusing on Practical Issues Can Product Practical Results, Oct, pp. 82–84
Organizational Development Shouldn't Mean Organizational Devastation, Nov, p. 6
Business Reengineering—with the Customer in Mind, Nov, pp. 44–48
Why Call Centers Operate as They Do, Dec, pp. 20–25

Market Trends
Look Close: There Are Signs of New Life in the PBX Industry, Jan, p. 4
PBX Losses Shrink During 1992, Jan, pp. 32–37
A Reality Check on ATM, Jan, pp. 55–59
Can SMDS Buy Itself a Future? Mar, pp. 28–32
Frame Relay's Day Will Dawn, Apr, pp. 28–32
Defining the Integrated T1 Access Market, May, pp. 35–39
Alternative Technologies for Mobile Data Services, May, pp. 68–73
Broadband Survey Positive about ATM—Eventually, July, pp. 12–14
KTS/Hybrid Market: Running in Place, July, pp. 18–25
Videoconferencing in the Real World, Sep, p. 4
Videoconferencing Growth Continues Unabated, Sep, pp. 27–32
T1/T3 Mux Vendors Redefine Their Market, Sep, pp. 52–56
Number Portability—What Happened? Oct, pp. 58–61

Microwave
[*see* **Wireless Equipment and Services**]

Modems
Options for Dial-up Remote Access, Nov, pp. 16–24

Multimedia
[*also see "The Power of Integration: Innovation in Communications,"* a supplement to the October issue of *BCR*]
Video Compression—A Hands-On Report, Jan, pp. 78–83
Directions in PBX Evolution, Apr, pp. 41–45
Multimedia on the WAN, July, pp. 40–42
Directions for Multimedia in the Voice Messaging Industry, Aug, pp. 44–48
Groupware: The Next Generation, Aug, pp. 54–58
Can Bell Atlantic and TCI Pull It Off? Nov, pp. 8–10
Where Are the ATM Applications? Nov, pp. 12–14

Multiplexers
[*also see* **T1/T3**]
Defining the Integrated T1 Access Market, May, pp. 35–39
T1/T3 Mux Vendors Redefine Their Market, Sep, pp. 52–56
Integrated Access from General Datacomm, Oct, p. 56

Net Management Directions/*Herman*
Tracking Management Work Processes, Feb, pp. 52–56
Management Platform Shakeout Likely, Apr, pp. 70–73
SNMP Version 2: A Major Improvement, June, pp. 70–73
Slogging toward Distributed Computing, Aug, pp. 70–73
IBM-Digital Team Changes the Network Management Platform Business, Oct, pp. 62–64
Facing Up to the Management of Distributed Systems, Dec, pp. 54–56

Network Architecture/Design
Switching to a LAN-in-a-Box, Jan, pp. 20–24
Jostling for a More Open APPN, Feb, pp. 24–27
Capacity Planning: Selecting Technology for Performance, Apr, pp. 14–20
Through the Looking Glass: *BCR*'s 1993 Readership Survey, May, pp. 27–32
Planning for Migration to ATM, May, pp. 53–58
Planning 800 Disaster Rerouting in Distributed Call Centers, June, pp. 74–77
Evaluating Switching Hub Architectures, July, pp. 35–39
Slogging toward Distributed Computing, Aug, pp. 70–73
New LAN Architectures: Diversity Reigns Supreme, Sep, pp. 12–14
Toward a Robust Network Environment, Sep, pp. 78–86
Arguments and Architectures for ATM, Oct, pp. 14–21
Differing Approaches to Virtual LANs, Dec, pp. 42–45

Network Management
Increase IS's Role in PC Support, Jan, pp. 74–76
Tracking Management Work Processes, Feb, pp. 52–56
Managing Large Ethernet Installations, Mar, pp. 21–26
Carriers Improve Hybrid Network Management, Mar, pp. 43–45
Management Platform Shakeout Likely, Apr, pp. 70–73
Through the Looking Glass: *BCR*'s 1993 Readership Survey, May, pp. 27–32
Two Separate Management Architectures Begin to Unite, May, pp. 41–45
Pushing the Edge of the Network, May, p. 82
BT Bets on Integrated Network Management, May, p. 84
SNMP Version 2: A Major Improvement, June, pp. 70–73
OSF's DCE and DME: Here Today? July, pp. 44–48
Can ATM Solve the Unsolvable? Aug, pp. 12–14
Slogging toward Distributed Computing, Aug, pp. 70–73
New LAN Architectures: Diversity Reigns Supreme, Sep, pp. 12–14
Aspect Opens Access to ACD Data, Oct, p. 56
IBM-Digital Team Changes the Network Management Platform Business, Oct, pp. 62–64
Facing Up to the Management of Distributed Systems, Dec, pp. 54–56

Networking Intelligence/*Finneran*
Increase IS's Role in PC Support, Jan, pp. 74–76
The Business View of Fast Packet Technologies, Mar, pp. 56–57
Unsolicited Advice for the Clinton Administration, May, p. 78
SONET: Access to the World, July, pp. 62–63

AT&T True Voice—True Love? Sep, p. 74
The Last Hope for ISDN—Just Do It, Nov, pp. 62–64

Networks, Broadband
The Next Generation Networks Conference Survey, Jan, pp. 10–11
A Reality Check on ATM, Jan, pp. 55–59
Reader Bonus: Views on ATM, Feb, p. 6
What ATM Forum Members Believe, Feb, pp. 12–14
The Broadband Jigsaw Puzzle, Feb, pp. 35–39
Why an ATM User Group Now? It Makes Sense for Users...and Vendors, Mar, p. 4
Will the Real 100-Mbps Ethernet Please Stand Up, Mar, pp. 8–10
The Critical Role of Routers in ATM, Mar, pp. 12–14
Can SMDS Buy Itself a Future? Mar, pp. 28–32
The Business View of Fast Packet Technologies, Mar, pp. 56–57
The Missing Link in ATM, Apr, pp. 10–12
Video: The Promised LAN? Apr, pp. 22–27
Directions in PBX Evolution, Apr, pp. 41–45
Wireless and Broadband Star at CeBIT, May, p. 4
Is Fast Packet Really Narrowband ATM? May, p. 8
ATM: Bottom Up or Top Down? May, pp. 10–12
Planning for Migration to ATM, May, pp. 53–58
The Network and CPE Have to Work Together, May, p. 58
The Many Futures of ATM, June, p. 4
ATM: All Things to All People? June, pp. 12–14
Can the Carriers Deliver on SONET's Full Potential? June, pp. 44–48
SMDS Service One Year after Kickoff, June, pp. 51–54
Broadband Survey Positive about ATM—Eventually, July, pp. 12–14
Multimedia on the WAN, July, pp. 40–42
N.E.T.'s Platforms Evolve for ISDN and ATM, July, pp. 60–61
SONET: Access to the World, July, pp. 62–63
Can ATM Solve the Unsolvable? Aug, pp. 12–14
Don't Count FDDI Out—Yet, Aug, pp. 51–53
Videoconferencing in the Real World, Sep, p. 4
Migration Options from 10BaseT, Sep, pp. 16–23
Keeping ATM's Promise of Scalability, Oct, pp. 10–12
Arguments and Architectures for ATM, Oct, pp. 14–21
The Blue-Brick Road to ATM, Oct, pp. 31–35
ATM CPE—Who Is Providing What? Oct, pp. 37–42
Where Are the ATM Applications? Nov, pp. 12–14
Edge Routing—The Next Routing Evolution, Nov, pp. 27–31
ATM Confronts Tough Challenges, Dec, p. 4
Pacific Bell Plans Information Highway for California, Dec, p. 8
Do All Roads Lead to the Information Superhighway? Dec, pp. 10–11
Codex's 6950 SoftCell ATM Networking Node, Dec, p. 53
Are There CO-Based Options for ATM? Dec, pp. 74–76

Networks, Data
The Next Generation Networks Conference Survey, Jan, pp. 10–11
PCMCIA—The Application Gateway for Mobile Computing, Jan, pp. 12–17
Switching to a LAN-in-a-Box, Jan, pp. 20–24
Are You a Candidate for Frame Relay? Jan, pp. 27–31
Data Station Wiring: Myths and Realities, Jan, pp. 38–42
Preventing LAN Break-ins, Jan, pp. 64–69
Jostling for a More Open APPN, Feb, pp. 24–27
New Specs, Broader Boundaries for EDI, Feb, pp. 40–44
Managing Large Ethernet Installations, Mar, pp. 21–26
Capacity Planning: Selecting Technology for Performance, Apr, pp. 14–20
Windows NT vs. Netware: More Bravado than Battle, Apr, pp. 35–38
A Personal Trek into the World of Wireless Data, Apr, pp. 49–52
IBM's MPTF and New 6611 Model 120, Apr, pp. 58–59
Putting It Together: SNA-LAN Integration Strategies, Apr, pp. 60–65
Players and Promises in PCS, Apr, pp. 74–79
Alternative Technologies for Mobile Data Services, May, pp. 68–73
Partnering for Network Performance, June, pp. 18–20
Electronic Mail Broadens Its Horizons, July, pp. 28–32
Evaluating Switching Hub Architectures, July, pp. 35–39
Multimedia on the WAN, July, pp. 40–42
OSF's DCE and DME: Here Today? July, pp. 44–48
Directions for SNA Internetworking, Aug, p. 4
EPRINet—How Innovation Can Take Place, Aug, p. 8
Extending Serial Communications with Spread Spectrum, Aug, pp. 39–43
Groupware: The Next Generation, Aug, pp. 54–58
Eicon Tests the Openness of Novell's NLMs, Aug, p. 64
Ascom Timeplex's Enterprise Router, Aug, p. 65
Migration Options from 10BaseT, Sep, pp. 16–23
Striking the Token-Ring Balance, Sep, pp. 35–39
Integrated SNA and LAN Access from Hypercom and Motorola Codex, Sep, pp. 70–72
Client/Server's Low Latency Requirements, Oct, pp. 18–19
The Blue-Brick Road to ATM, Oct, pp. 31–35
Options for Dial-up Remote Access, Nov, pp. 16–24
Bringing Wireless Data Communications into the Mainstream, Nov, pp. 39–43
Have Fax and the Internet Made VANs Irrelevant? Dec, pp. 37–41
Differing Approaches to Virtual LANs, Dec, pp. 42–45
CCI's Eclipse 7020, Dec, p. 52

Networks, Multimedia
[*see* **Multimedia**]

Networks, Software-Defined
[*see* **Network Architecture**]

New Products
Fore Systems' ATM Product Family, Jan, p. 62
Northern Telecom Meridian 1 Announcements, Feb, pp. 50–51
Rolm 9751 Release 9006, Feb, p. 51
ANR's LAN-to-LAN SNA-Based Router, Mar, pp. 54–55
Extension Technology Uses ISDN to Link LANs, Mar, p. 55
SynOptics' LattisCell ATM Hub, Apr, p. 58
IBM's MPTF and New 6611 Model 120, Apr, pp. 58–59
AT&T Announces Definity G3 Enhancements and New Video Systems, May, pp. 64–66
ADC Fibermux ATMosphere Hub, May, pp. 66–67
Intecom's New Platform—The E, June, pp. 64–65
N.E.T.'s Platforms Evolve for ISDN and ATM, July, pp. 60–61
Eicon Tests the Openness of Novell's NLMs, Aug, p. 64
Ascom Timeplex's Enterprise Router, Aug, p. 65
Integrated SNA and LAN Access from Hypercom and Motorola Codex, Sep, pp. 70–72
AT&T True Voice—True Love? Sep, p. 74
Integrated Access from General Datacomm, Oct, p. 56
Aspect Opens Access to ACD Data, Oct, p. 56
Wireless PBX Options from AT&T and Rolm, Nov, pp. 58–60
CCI's Eclipse 7020, Dec, p. 52
Codex's 6950 SoftCell ATM Networking Node, Dec, p. 53

Packet Switching
The Next Generation Networks Conference Survey, Jan, pp. 10–11
Are You a Candidate for Frame Relay? Jan, pp. 27–31
A Reality Check on ATM, Jan, pp. 55–59
Fore Systems' ATM Product Family, Jan, p. 62
Reader Bonus: Views on ATM, Feb, p. 6
Can Frame Relay Launch the ATM Market? Feb, p. 10
What ATM Forum Members Believe, Feb, pp. 12–14
The Broadband Jigsaw Puzzle, Feb, pp. 35–39
The Business View of Fast Packet Technologies, Mar, pp. 56–57
Frame Relay's Day Will Dawn, Apr, pp. 28–32
SynOptics' LattisCell ATM Hub, Apr, p. 58
Wireless and Broadband Star at CeBIT, May, p. 4
Is Fast Packet Really Narrowband ATM? May, p. 8
ATM: Bottom Up or Top Down? May, pp. 10–12
Planning for Migration to ATM, May, pp. 53–58
ADC Fibermux ATMosphere Hub, May, pp. 66–67
Broadband Survey Positive about ATM—Eventually, July, pp. 12–14
N.E.T.'s Platforms Evolve for ISDN and ATM, July, pp. 60–61
Can ATM Solve the Unsolvable? Aug, pp. 12–14
Frame Relay Service Pricing: Contrasting the Competitors, Aug, pp. 32–37
Videoconferencing in the Real World, Sep, p. 4
The Blue-Brick Road to ATM, Oct, pp. 31–35

BCR INDEX

Packet Switching *[continued]*
ATM CPE—Who Is Providing What? Oct, pp. 37–42
Frame Relay—Setting the Record Straight, Oct, pp. 43–48
Edge Routing—The Next Routing Evolution, Nov, pp. 27–31

PBX-to-Computer Links
[*see* **Switch-to-Computer Links**]

PBXs
[*also see "PBX Applications and Architectures Expand,"* a supplement to the May issue of *BCR*]
Look Close: There Are Signs of New Life in the PBX Industry, Jan, p. 4
PBX Losses Shrink During 1992, Jan, pp. 32–37
Northern Telecom Meridian 1 Announcements, Feb, pp. 50–51
Rolm 9751 Release 9006, Feb, p. 51
Directions in PBX Evolution, Apr, pp. 41–45
AT&T Announces Definity G3 Enhancements and New Video Systems, May, pp. 64–66
Wireless PBXs on a Winding Road to Market, June, pp. 24–30
Intecom's New Platform—The E, June, pp. 64–65
CPE Regulations That Could Catch You Off Guard, July, pp. 56–58
Wanted: Benchmark Measurements for Call Processing, Sep, pp. 41–44
Wireless PBX Options from AT&T and Rolm, Nov, pp. 58–60
Distributed Call Management Centers, Dec, pp. 14–19

Portable Computing
[*also see* **Wireless Equipment and Services**]
PCMCIA—The Application Gateway for Mobile Computing, Jan, pp. 12–17
The Advance Guard in Hand-Held Computing, Feb, pp. 29–32
A Personal Trek into the World of Wireless Data, Apr, pp. 49–52
Players and Promises in PCS, Apr, pp. 74–79
Mobile Satellite Services—A Tale of Two LEOs, May, pp. 60–63
Alternative Technologies for Mobile Data Services, May, pp. 68–73
Will Wireless LANs Realize Their Potential? Aug, pp. 18–28

Pricing
Switching to a LAN-in-a-Box, Jan, pp. 20–24
Are You a Candidate for Frame Relay? Jan, pp. 27–31
To Tariff or Not to Tariff—That's No Longer the Question, Jan, pp. 60–61
Local Loop Competition: As Difficult as It Is Inevitable, Jan, pp. 86–88
Network Services Pricing Update, Feb, pp. 16–23
Can SMDS Buy Itself a Future? Mar, pp. 28–32
Technology's Fun, But Negotiation Is the Name of the Game, Mar, pp. 66–68
The Missing Link in ATM, Apr, pp. 10–12
Frame Relay Service Pricing: Contrasting the Competitors, Aug, pp. 32–37
Videoconferencing Growth Continues Unabated, Sep, pp. 27–32
Strange Goings-on in Long Distance, Sep, pp. 90–92
Frame Relay—Setting the Record Straight, Oct, pp. 43–48
Downward Spiral for the Spirit of Service, Nov, pp. 82–84

Product Reviews
Access Technology: A Key Market for 1993, Jan, p. 8
PBX Supplier Review, Jan, pp. 34–37
Producing Video at the Desktop, Jan, pp. 80–81
The Advance Guard in Hand-Held Computing, Feb, pp. 29–32
Improving Bridge Performance on WAN Links, Feb, pp. 62–65
Putting It Together: SNA-LAN Integration Strategies, Apr, pp. 60–65
Management Platform Shakeout Likely, Apr, pp. 70–73
Defining the Integrated T1 Access Market, May, pp. 35–39
Two Separate Management Architectures Begin to Unite, May, pp. 41–45
Global Network Services Move beyond One-Stop Shopping, May, pp. 80–87
BT Bets on Integrated Network Management, May, p. 84
Wireless PBXs on a Winding Road to Market, June, pp. 24–30
Videoconferencing's Best-Kept Secret? June, p. 34
Evaluating Switching Hub Architectures, July, pp. 35–39
Will Wireless LANs Realize Their Potential? Aug, pp. 18–28
A Simple Concept That's Tough to Build, Aug, p. 40
Directions for Multimedia in the Voice Messaging Industry, Aug, pp. 44–48
Videoconferencing Growth Continues Unabated, Sep, pp. 27–32
ATM CPE—Who Is Providing What? Oct, pp. 37–42
Beyond the Digital Subscriber Line: Issues at ISDN Customers' Premises, Nov, pp. 70–78

Protocols
Jostling for a More Open APPN, Feb, pp. 24–27
A Personal Trek into the World of Wireless Data, Apr, pp. 49–52
SNMP Version 2: A Major Improvement, June, pp. 70–73
Options for Dial-up Remote Access, Nov, pp. 16–24

Public Interest
Telemarketing Restrictions—What the FCC Adopts, the Courts Discard, Feb, pp. 46–47
Fingerpointing over the Cellular Health Scare, Mar, p. 6
E-Mail's Effects on Corporate Culture, Apr, p. 8
Cancer Scare May Bolster Low-Power Systems' Status, Apr, p. 78
The Vision Thing, May, p. 6
Responding to Heightened Concern about RF Risks, May, pp. 14–18
Regulatory Implication and Health Risks of Electromagnetic Radiation, May, pp. 20–24
Risk Assessment and Cancer, May, p. 22
They've Got Your Number, May, pp. 48–52
Unsolicited Advice for the Clinton Administration, May, p. 78
Messaging to the President, July, p. 32
Communicating about Communications: Tough, but Needed, Oct, p. 6
RBOC Investments vs. the Needs of Business Customers, Nov, p. 4
Pay-Per-Call Regulations Toughen, Nov, pp. 52–56
Downward Spiral for the Spirit of Service, Nov, pp. 82–84
Melting the Ice Curtain between Russia and Alaska, Dec, pp. 26–29

Regulatory Developments
To Tariff or Not to Tariff—That's No Longer the Question, Jan, pp. 60–61
Local Loop Competition: As Difficult as It Is Inevitable, Jan, pp. 86–88
Telemarketing Restrictions—What the FCC Adopts, the Courts Discard, Feb, pp. 46–47
The Curtain Rises on Clinton's FCC, Mar, pp. 16–19
Local Competition: The War of All Against All, Mar, pp. 35–40
The 800 Service Patent Dispute between MCI and AT&T, Mar, pp. 46–49
The FCC's Hard Line on International Resale, Apr, pp. 54–57
Responding to Heightened Concern about RF Risks, May, pp. 14–18
Regulatory Implication and Health Risks of Electromagnetic Radiation, May, pp. 20–24
Mobile Satellite Services—A Tale of Two LEOs, May, pp. 60–63
Unsolicited Advice for the Clinton Administration, May, p. 78
Wireless PBXs on a Winding Road to Market, June, pp. 24–30
Federal Approaches to Improving Network Reliability, June, pp. 60–63
CPE Regulations That Could Catch You Off Guard, July, pp. 56–58
Message from Singapore: Global Competition Is Coming, July, pp. 66–68
Carrier Tariffs—Literally, Aug, pp. 60–62
Local Competition—Lessons from "Down Under," Aug, pp. 82–84
"Let's Make a Deal": Customer-Specific Service Agreements, Sep, pp. 47–50
The Legal Status of Negotiated Arrangements, Sep, p. 48
It's Time (Already) to Rewrite the Access Rules, Sep, pp. 58–64
Ending the RBOC Long Distance Quarantine, Oct, pp. 51–54
Number Portability—What Happened? Oct, pp. 58–61
Pay-Per-Call Regulations Toughen, Nov, pp. 52–56
It's Time to End "Tariff Abuse," Dec, pp. 46–48

Routers
[*see* **LAN/WAN Connectivity**]

Satellites
[*see* **Wireless Equipment and Services**]

Security
A View from the Other Side of the Hacker Question, Jan, p. 6
Preventing LAN Break-ins, Jan, pp. 64–69
Toll Fraud: One User's Experience, Feb, pp. 68–70
OSF's DCE and DME: Here Today? July, pp. 44–48
Strange Goings-on in Long Distance, Sep, pp. 90–92

Service/Repair/Maintenance
Testing the WAN for LAN/WAN Internetworks, Oct, pp. 70–78
Downward Spiral for the Spirit of Service, Nov, pp. 82–84

SMDS
[*see* **Networks, Broadband;** *also see "SMDS Today: Networks in Action,"* a supplement to the September issue of *BCR*]

SNA
[*see* **Networks, Private** *and* **LAN/WAN Connectivity;** *also see "BCR's Guide to SNA Internetworking,"* a supplement to the August issue of *BCR*]

SONET
[*see* **Carriers, Interexchange; Carriers, Local Exchange** *and* **Networks, Broadband**]

Standards
PCMCIA—The Application Gateway for Mobile Computing, Jan, pp. 12–17
Data Station Wiring: Myths and Realities, Jan, pp. 38–42
Will the Real 100–Mbps Ethernet Please Stand Up, Mar, pp. 8–10
Of Standards, Markets and Co-opetition, July, p. 8
OSF's DCE and DME: Here Today? July, pp. 44–48
New Names at CCITT, Sep, p. 31
Wanted: Benchmark Measurements for Call Processing, Sep, pp. 41–44
New Options Emerge for CTI, Oct, pp. 25–28

Switch-to-Computer Links
Working with IBM's CallPath Services Architecture, Mar, pp. 60–63
It's the Desktop, Stupid, June, p. 6
New Options Emerge for CTI, Oct, pp. 25–28
Defining the PC's New Role in Voice Messaging, Dec, pp. 62–65

Switching Equipment
Access Technology: A Key Market for 1993, Jan, p. 8
Switching to a LAN-in-a-Box, Jan, pp. 20–24
A Reality Check on ATM, Jan, pp. 55–59
Can Frame Relay Launch the ATM Market? Feb, p. 10
Evaluating Switching Hub Architectures, July, pp. 35–39
Integrated SNA and LAN Access from Hypercom and Motorola Codex, Sep, pp. 70–72
ATM CPE—Who Is Providing What? Oct, pp. 37–42
Codex's 6950 SoftCell ATM Networking Node, Dec, p. 53

T1/T3
Access Technology: A Key Market for 1993, Jan, p. 8
The Next Generation Networks Conference Survey, Jan, pp. 10–11
Defining the Integrated T1 Access Market, May, pp. 35–39
T1/T3 Mux Vendors Redefine Their Market, Sep, pp. 52–56
Integrated Access from General Datacomm, Oct, p. 56

Technology Trends
Improving Bridge Performance on WAN Links, Feb, pp. 62–65
Putting It Together: SNA-LAN Integration Strategies, Apr, pp. 60–65
Migration Options from 10BaseT, Sep, pp. 16–23
Beyond the Digital Subscriber Line: Issues at ISDN Customers' Premises, Nov, pp. 70–78
What Is National ISDN? Nov, p. 76

Testing/Test Equipment
[*also see* **Service/Repair/Maintenance**]
Testing the WAN for LAN/WAN Internetworks, Oct, pp. 70–78

Token-Ring
[*see* **Local Area Networks**]

Toll Theft/Toll Fraud
[*see* **Security**]

User Surveys
The Next Generation Networks Conference Survey, Jan, pp. 10–11
What ATM Forum Members Believe, Feb, pp. 12–14
Through the Looking Glass: *BCR*'s 1993 Readership Survey, May, pp. 27–32
Broadband Survey Positive about ATM—Eventually, July, pp. 12–14
Slogging toward Distributed Computing, Aug, pp. 70–73

Video/Videoconferencing
[*also see* **Multimedia**]
Video Compression—A Hands-On Report, Jan, pp. 78–83
Producing Video at the Desktop, Jan, pp. 80–81
The Curtain Rises on Clinton's FCC, Mar, pp. 16–19
Video: The Promised LAN? Apr, pp. 22–27
Directions in PBX Evolution, Apr, pp. 41–45
Visions of a Video Future Highlight Supercomm '93, June, p. 8
Carrier Offerings for Videoconferencing, June, pp. 32–36
Videoconferencing's Best-Kept Secret? June, p. 34
Border-to-Border Fiber Optics, June, pp. 55–59
Groupware: The Next Generation, Aug, pp. 54–58
Videoconferencing in the Real World, Sep, p. 4
Videoconferencing Growth Continues Unabated, Sep, pp. 27–32
HDSL and ADSL: Steroids for the Local Loop, Oct, p. 8
Can Bell Atlantic and TCI Pull It Off? Nov, pp. 8–10
Building Global Videoconferencing Networks, Nov, pp. 33–37

Voice Mail/Messaging
Directions for Multimedia in the Voice Messaging Industry, Aug, pp. 44–48
Wanted: Benchmark Measurements for Call Processing, Sep, pp. 41–44
Defining the PC's New Role in Voice Messaging, Dec, pp. 62–65

VSATs
[*see* **Wireless Equipment and Services**]

Washington Perspective/*Toth*
To Tariff or Not to Tariff—That's No Longer the Question, Jan, pp. 60–61
Telemarketing Restrictions—What the FCC Adopts, the Courts Discard, Feb, pp. 46–47
The 800 Service Patent Dispute between MCI and AT&T, Mar, pp. 46–49
The FCC's Hard Line on International Resale, Apr, pp. 54–57
Mobile Satellite Services—A Tale of Two LEOs, May, pp. 60–63
Federal Approaches to Improving Network Reliability, June, pp. 60–63
CPE Regulations That Could Catch You Off Guard, July, pp. 56–58
Carrier Tariffs—Literally, Aug, pp. 60–62
It's Time (Already) to Rewrite the Access Rules, Sep, pp. 58–64
Ending the RBOC Long Distance Quarantine, Oct, pp. 51–54
Pay-Per-Call Regulations Toughen, Nov, pp. 52–56
It's Time to End "Tariff Abuse," Dec, pp. 46–48

Wireless Equipment and Services
[*also see* **Portable Computing**]
PCMCIA—The Application Gateway for Mobile Computing, Jan, pp. 12–17
The Advance Guard in Hand-Held Computing, Feb, pp. 29–32
Fingerpointing over the Cellular Health Scare, Mar, p. 6
Local Competition: The War of All Against All, Mar, pp. 35–40
Reaching the Real Wireless Market, Apr, p. 4
A Personal Trek into the World of Wireless Data, Apr, pp. 49–52
Players and Promises in PCS, Apr, pp. 74–79
Cancer Scare May Bolster Low-Power Systems' Status, Apr, p. 78
Responding to Heightened Concern about RF Risks, May, pp. 14–18
Regulatory Implication and Health Risks of Electromagnetic Radiation, May, pp. 20–24
Mobile Satellite Services—A Tale of Two LEOs, May, pp. 60–63
Alternative Technologies for Mobile Data Services, May, pp. 68–73
Wireless PBXs on a Winding Road to Market, June, pp. 24–30
Will Wireless LANs Realize Their Potential? Aug, pp. 18–28
Extending Serial Communications with Spread Spectrum, Aug, pp. 39–43
A Simple Concept That's Tough to Build, Aug, p. 40
Did AT&T Pay Too Much for McCaw? Sep, p. 10
Bringing Wireless Data Communications into the Mainstream, Nov, pp. 39–43
Wireless PBX Options from AT&T and Rolm, Nov, pp. 58–60

Wiring Hubs
[*see* **Local Area Networks** *and* **LAN/WAN Connectivity**]